

# INTERNATIONAL SEARCH REPORT

International application No

PCT/JP2005/022396

## A. CLASSIFICATION OF SUBJECT MATTER

H01L21/18 C30B9/00 C30B29/40

According to international Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>BEAUMONT B ET AL: "EPITAXIAL LATERAL OVERGROWTH OF GAN" PHYSICA STATUS SOLIDI. B, BASIC RESEARCH, AKADEMIE VERLAG, BERLIN, DE, vol. 227, no. 1, 1 September 2001 (2001-09-01), pages 1-43, XP009039765 ISSN: 0370-1972 paragraphs [0002] - [0004] paragraphs [05.1] - [05.2]</p> <p>----- -/-</p>	1-24, 41

Further documents are listed in the continuation of Box C.

See patent family annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

4 April 2006

21/04/2006

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## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	YANO M ET AL: "Growth of nitride crystals, BN, AlN and GaN by using a Na flux" DIAMOND AND RELATED MATERIALS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 9, no. 3-6, April 2000 (2000-04), pages 512-515, XP004199807, ISSN: 0925-9635 the whole document	1-24, 41
Y	WO 02/101120 A (AMMONO LTD; NICHIA CORPORATION; DWILINSKI, ROBERT, TOMASZ; DORADZINSKI) 19 December 2002 (2002-12-19) cited in the application the whole document	1-24, 41
X		25, 28-30, 32-40
E	EP 1 616 981 A (TOKYO DENPA CO., LTD; MITSUBISHI CHEMICAL CORPORATION) 18 January 2006 (2006-01-18) paragraphs [0023], [0024]	1-24, 41
Y	& WO 2004/090202 A (MITSUBISHI CHEMICAL CORPORATION; TOKYO DENPA CO., LTD; YOSHIOKA, KENJI) 21 October 2004 (2004-10-21)	1-24, 41

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Information on patent family members

International application No

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